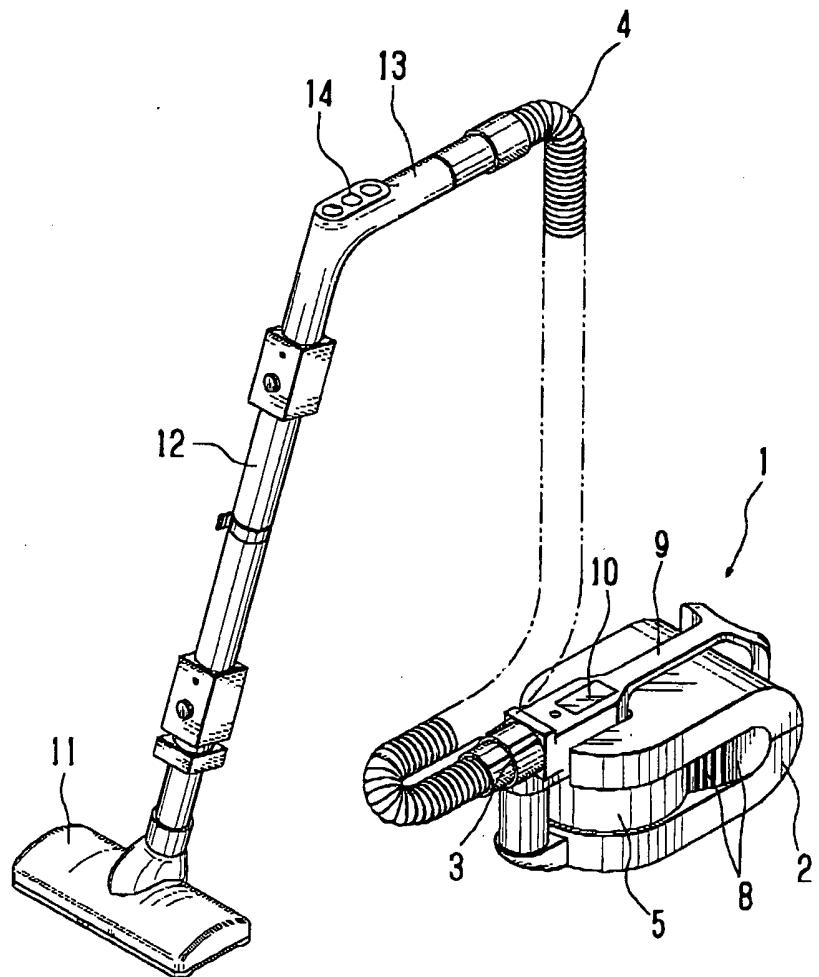


Fig. 1



25

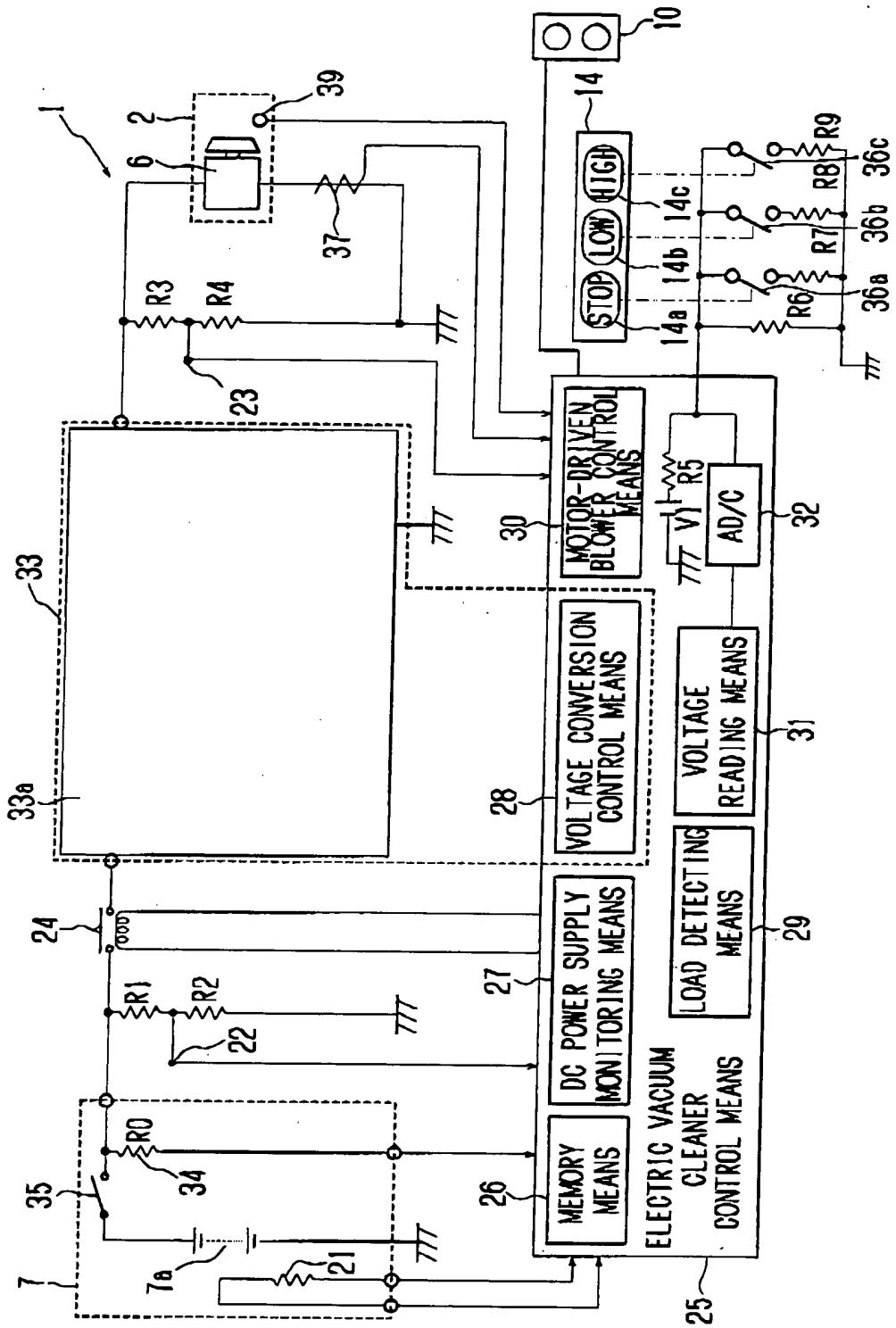


Fig. 3

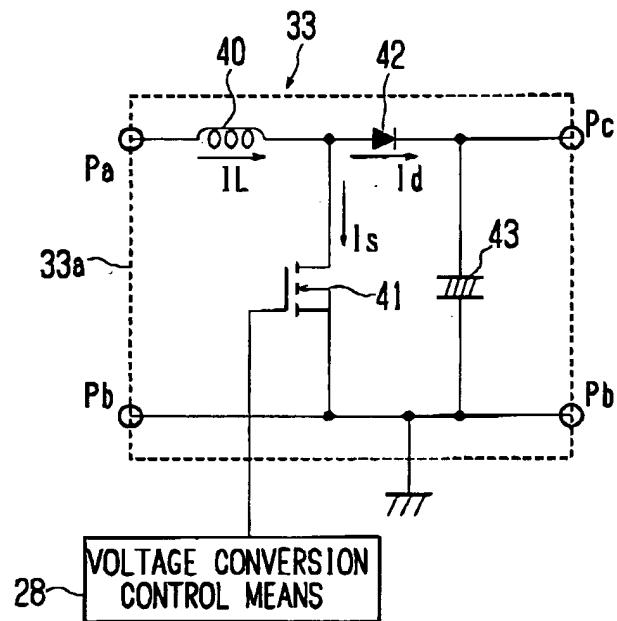


Fig. 4

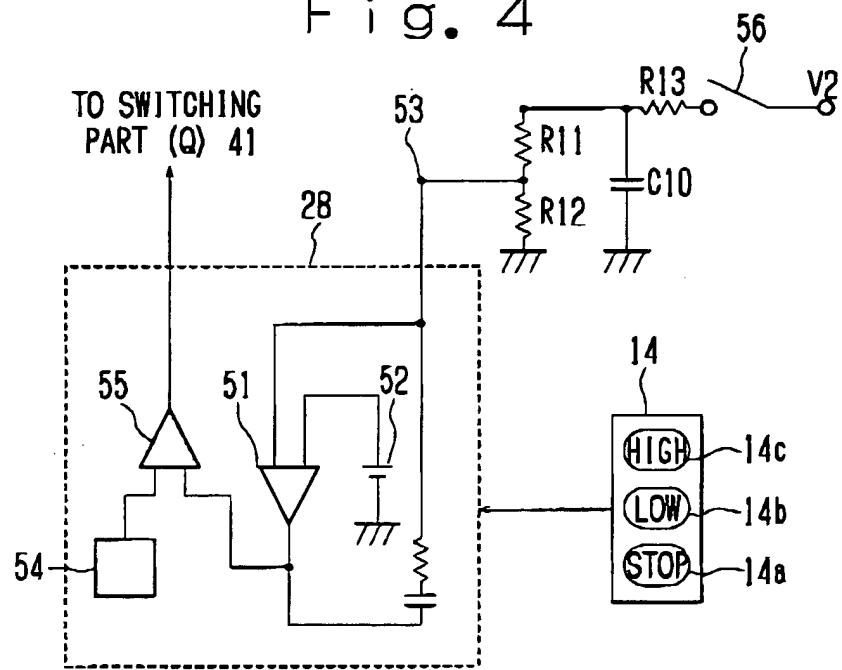


Fig. 5

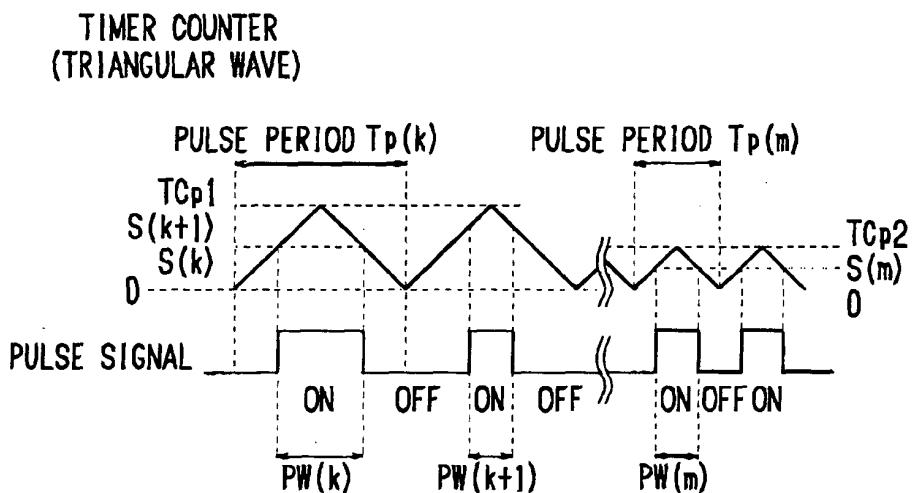


Fig. 6

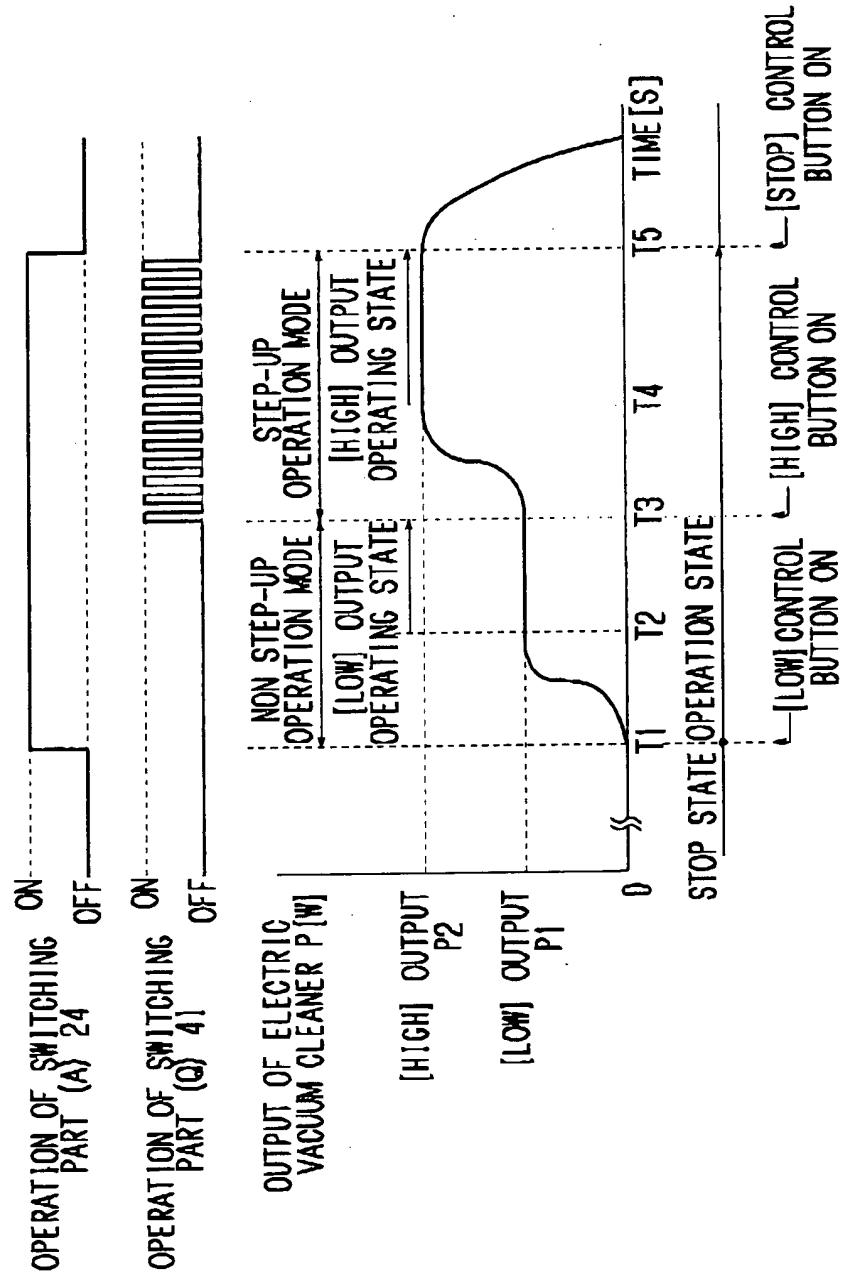


Fig. 7

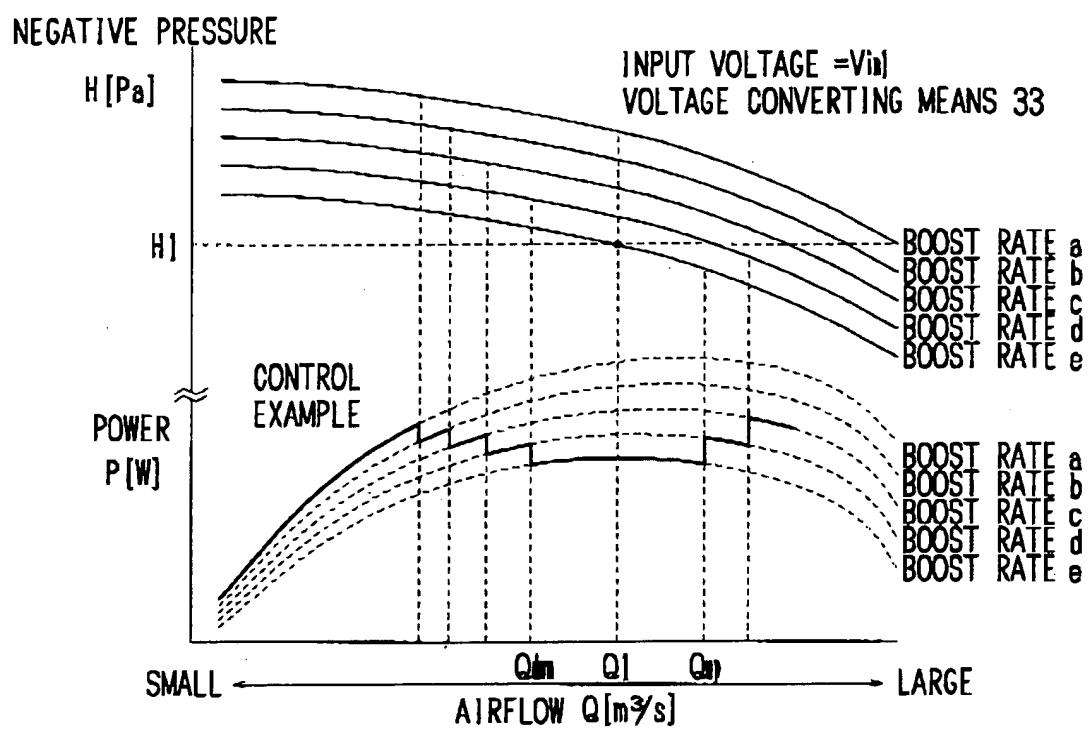


Fig. 8

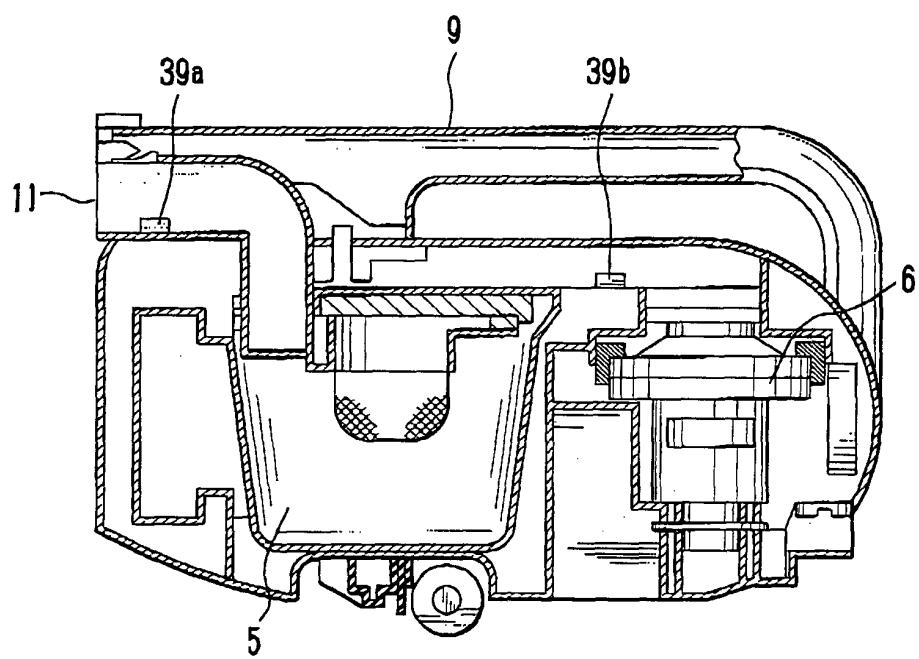


Fig. 9

BOOST RATE a

NEGATIVE PRESSURE	AIRFLOW
Ha_1	Qa_1
Ha_2	Qa_2
⋮	⋮
Ha_n-1	Qa_n-1
Ha_n	Qa_n

BOOST RATE b

NEGATIVE PRESSURE	AIRFLOW
Hb_1	Qb_1
Hb_2	Qb_2
⋮	⋮
Hb_n-1	Qb_n-1
Hb_n	Qb_n

BOOST RATE c

NEGATIVE PRESSURE	AIRFLOW
Hc_1	Qc_1
Hc_2	Qc_2
⋮	⋮
Hc_n-1	Qc_n-1
Hc_n	Qc_n

BOOST RATE d

NEGATIVE PRESSURE	AIRFLOW
Hd_1	Qd_1
Hd_2	Qd_2
⋮	⋮
Hd_n-1	Qd_n-1
Hd_n	Qd_n

BOOST RATE e

NEGATIVE PRESSURE	AIRFLOW
He_1	Qe_1
He_2	Qe_2
⋮	⋮
He_n-1	Qe_n-1
He_n	Qe_n

Fig. 10

INPUT VOLTAGE OF VOLTAGE CONVERTING MEANS 33 (OUTPUT VOLTAGE OF RECHARGEABLE BATTERY 10a)	RANGE OF AIRFLOW	BOOST RATE
$V_b \sim V_a$	$Q_{dwn\_a1} \sim Q_{up\_a1}$	$U\_x1$
	$Q_{dwn\_b1} \sim Q_{up\_b1}$	$U\_x2$
	$Q_{dwn\_c1} \sim Q_{up\_c1}, Q_{dwn\_c2} \sim Q_{up\_c2}$	$U\_x3$
	$Q_{dwn\_d1} \sim Q_{up\_d1}, Q_{dwn\_d2} \sim Q_{up\_d2}$	$U\_x4$
	$Q_{dwn\_e1} \sim Q_{up\_e1}$	$U\_x5$
$V_c \sim V_b$	$Q_{dwn\_a2} \sim Q_{up\_a2}$	$U\_y1$
	$Q_{dwn\_b2} \sim Q_{up\_b2}$	$U\_y2$
	$Q_{dwn\_c3} \sim Q_{up\_c3}, Q_{dwn\_c4} \sim Q_{up\_c4}$	$U\_y3$
	$Q_{dwn\_d3} \sim Q_{up\_d3}, Q_{dwn\_d4} \sim Q_{up\_d4}$	$U\_y4$
	$Q_{dwn\_e2} \sim Q_{up\_e2}$	$U\_y5$
$V_d \sim V_c$	$Q_{dwn\_a3} \sim Q_{up\_a3}$	$U\_z1$
	$Q_{dwn\_b3} \sim Q_{up\_b3}$	$U\_z2$
	$Q_{dwn\_c5} \sim Q_{up\_c5}, Q_{dwn\_c6} \sim Q_{up\_c6}$	$U\_z3$
	$Q_{dwn\_d5} \sim Q_{up\_d5}, Q_{dwn\_d6} \sim Q_{up\_d6}$	$U\_z4$
	$Q_{dwn\_e3} \sim Q_{up\_e3}$	$U\_z5$
$\sim V_d$	NO BOOSTED	

Fig 11

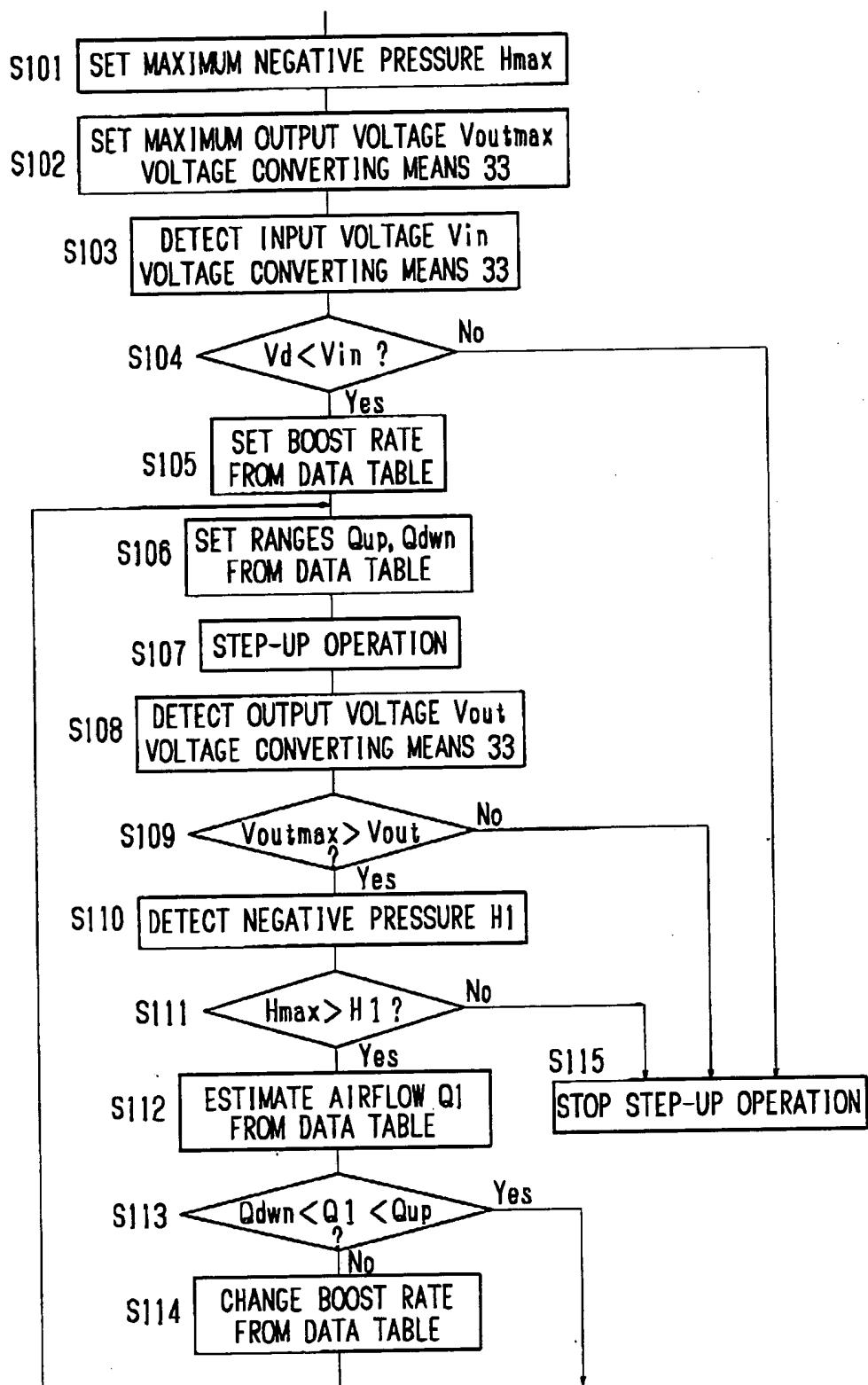


Fig. 12

INPUT VOLTAGE OF VOLTAGE CONVERTING MEANS 33 (OUTPUT VOLTAGE OF RECHARGEABLE BATTERY 10a)	RANGE OF CURRENT	BOOST RATE
$V_b \sim V_a$	$I_{dwn\_a1} \sim I_{up\_a1}$	$U_x6$
	$I_{dwn\_b1} \sim I_{up\_b1}$	$U_x7$
	$I_{dwn\_c1} \sim I_{up\_c1}, I_{dwn\_c2} \sim I_{up\_c2}$	$U_x8$
	$I_{dwn\_d1} \sim I_{up\_d1}, I_{dwn\_d2} \sim I_{up\_d2}$	$U_x9$
	$I_{dwn\_e1} \sim I_{up\_e1}$	$U_x10$
$V_c \sim V_b$	$I_{dwn\_a2} \sim I_{up\_a2}$	$U_y6$
	$I_{dwn\_b2} \sim I_{up\_b2}$	$U_y7$
	$I_{dwn\_c3} \sim I_{up\_c3}, I_{dwn\_c4} \sim I_{up\_c4}$	$U_y8$
	$I_{dwn\_d3} \sim I_{up\_d3}, I_{dwn\_d4} \sim I_{up\_d4}$	$U_y9$
	$I_{dwn\_e2} \sim I_{up\_e2}$	$U_y10$
$V_d \sim V_c$	$I_{dwn\_a3} \sim I_{up\_a3}$	$U_z6$
	$I_{dwn\_b3} \sim I_{up\_b3}$	$U_z7$
	$I_{dwn\_c5} \sim I_{up\_c5}, I_{dwn\_c6} \sim I_{up\_c6}$	$U_z8$
	$I_{dwn\_d5} \sim I_{up\_d5}, I_{dwn\_d6} \sim I_{up\_d6}$	$U_z9$
	$I_{dwn\_e3} \sim I_{up\_e3}$	$U_z10$
$\sim V_d$	NO BOOSTED	

Fig. 13

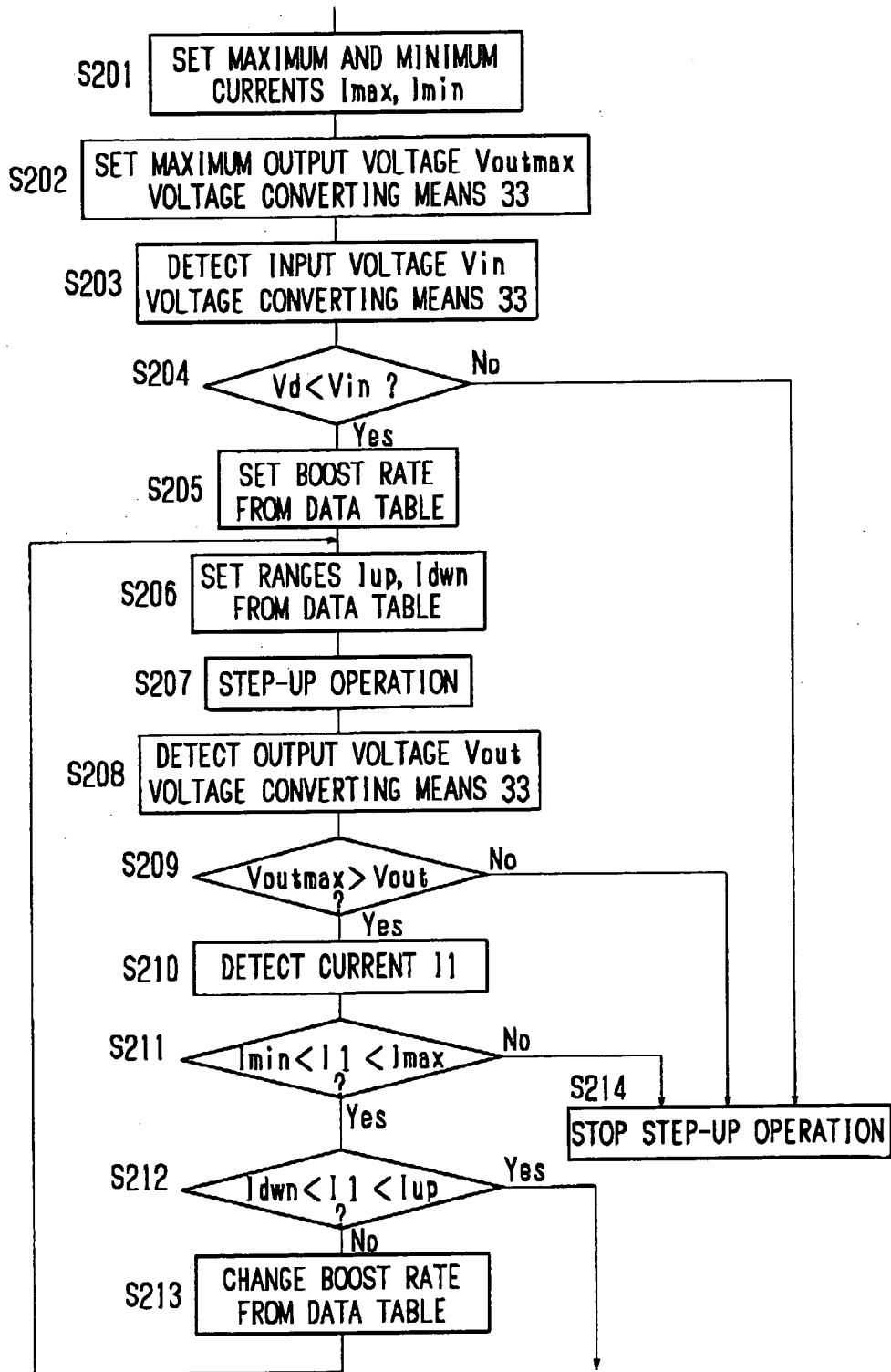


Fig. 14A

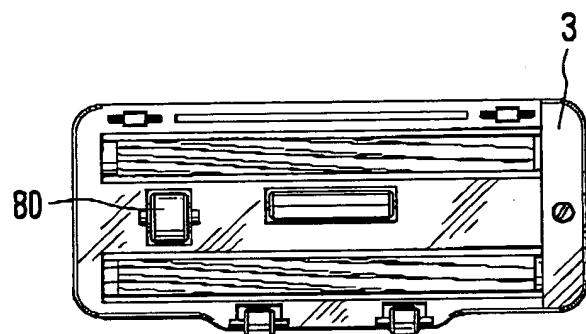


Fig. 14B

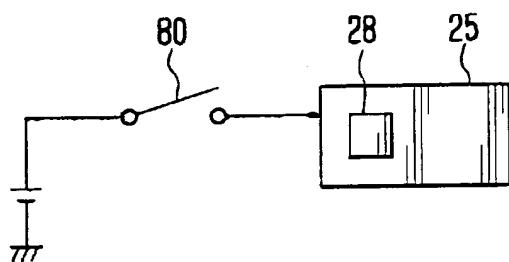


Fig. 15A

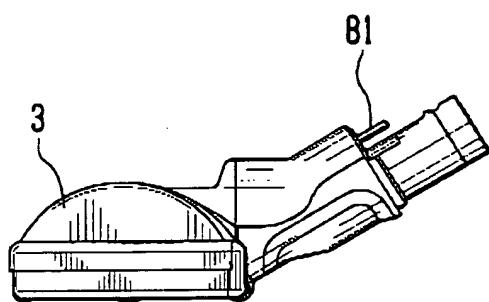


Fig. 15B

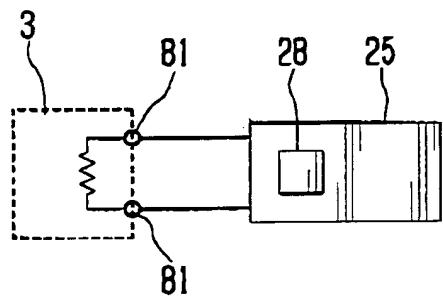


Fig. 16

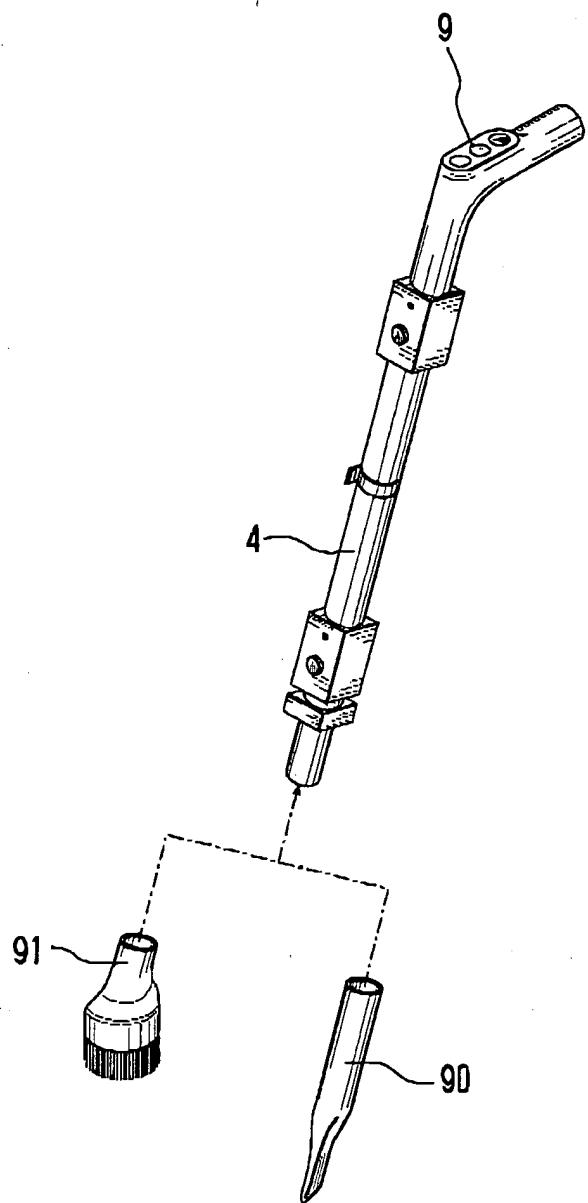


Fig. 17

